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## Algonquin Modular Panel Bridge System serves as detour bridge over Quebec river

When the Ministère des Transports Québec (MTQ) required a temporary detour solution for their bridge-replacement project on Autoroute 40, near Berthierville, a Heavy-Duty Algonquin Modular Panel Bridge System filled the gap.



### Project at a glance:

**Project Name:** Ministère des Transports Québec

**Designer (Consortium):** CIMA+

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**Contractor:** Roxboro Excavation Inc.

**Product:** Heavy-Duty Algonquin Modular Panel Bridge System

**Application:** River crossing

**Dimensions:** Span 67.5 m, Width 8 m (two-lane)



**“Bailey Bridge” was launched from one side of Quebec river without lifting equipment**

The launch was executed from one side using a fully cantilevered sequence with a 10-bay launch nose. When all was ready, on-site equipment nudged the structure across the river to the opposite side.

**Modular Panel Bridge system will be redeployed by the MTQ**

The contractor, Roxboro Excavation Inc., erected and launched the bridge with guidance from Algonquin’s on-site advisors. The steel decking and parapet systems were installed prior to launch, in order to reduce the amount of work done over the river.

MTQ will own the Heavy-Duty Algonquin Modular Panel Bridge System after this deployment, and will be able to reconfigure and redeploy it for future projects. It is designed with a minimum life of 25 years with an average traffic of 13,000 vehicles per day at a speed of 70 km/h.

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Watch video of cantilever launch in progress